WARRANTY: GFA40 / GFA50A / GFA100A / GFA150A

SERVICE AND LIMITED WARRANTY

GHP Group, Inc., warrants this product to be free from defects in materials and components for one (1) year from the date of first purchase, provided that the product has been properly installed, operated and maintained in accordance with all applicable instructions. To make a claim under warranty the Bill of Sale or cancelled check must be presented.

This warranty is extended only to the original retail purchaser. This warranty covers the cost of part(s) required to restore this heater to proper operating condition and an allowance for labor when provided by a GHP Group, Inc., Authorized Service Center. Warranty part(s) MUST be obtained through authorized dealers of this product and/or GHP Group, who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty. The heater MUST be installed by a qualified installer in accordance with all local codes and instructions furnished with the unit.

This warranty does not apply to parts that are not in original condition because of normal wear and tear, or parts that fail or become damaged as a result of misuse, accidents, lack of proper maintenance or defects caused by improper installation. Travel, diagnostic cost, labor, transportation and any and all such other costs related to repairing a defective heater will be the responsibility of the owner.

TO THE FULL EXTENT ALLOWED BY THE LAW OF THE JURISDICTION THAT GOVERNS THE SALE OF THE PRODUCT; THIS EXPRESS WARRANTY EXCLUDES ANY AND ALL OTHER EXPRESSED WARRANTIES AND LIMITS THE DURATION OF ANY AND ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO ONE (1) YEAR FROM THE DATE OF FIRST PURCHASE PRICE OF THE PRODUCT AND GHP GROUP INC., PRODUCTS SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES WHATSOEVER INCLUDING INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow a limitation on how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages, so the above limitation on implied warranties, or exclusion or limitation on damages may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

Contact GHP Group, Inc., for consumer information, technical assistance and to obtain replacement parts at 1-877-447-4768. You will need to provide the following information when communicating with the help desk:

- Heater type and model number
- Serial Number
- Description of the part or problem

GHP Group, Inc., Skokie, IL 60076-4034
Phone: 1-877-447-4768

PROPANE CONSTRUCTION HEATER

USER'S INSTRUCTION MANUAL

Duraheat MODELS:
GFA40 (40,000 BTU/HR, FORCED - AIR)
GFA50A (30,000/50,000 BTU/HR, FORCED - AIR)
GFA100A (70,000/100,000 BTU/HR, FORCED - AIR)
GFA150A (120,000/150,00 BTU/HR, FORCED - AIR)

CSA 2.14a-2007, ANSI Z83.7a-2007

☞ GENERAL HAZARD WARNING:

FAILURE TO COMPLY WITH THE PRECAUTIONS AND INSTRUCTION PROVIDED WITH THIS HEATER, CAN RESULT IN DEATH, SERIOUS BODILY INJURY AND PROPERTY LOSS OR DAMAGE FROM HAZARDS OF FIRE EXPLOSION, BURN, ASPHYXIATION, CARBON MONOXIDE POISONING, AND/OR ELECTRIC SHOCK.

ONLY PERSONS WHO CAN UNDERSTAND AND FOLLOW THE INSTRUCTIONS SHOULD USE OR SERVICE THIS HEATER.

IF YOU NEED ASSISTANCE OR HEATER INFORMATION SUCH AS AN INSTRUCTION MANUAL, LABELS, ETC. CONTACT THE MANUFACTURER.

☞ RETAIN THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE

2009-04 Rev.1

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☞ **WARNING: FIRE, BURN, INHALATION, AND EXPLOSION HAZARD, KEEP SOLID COMBUSTIBLES, SUCH AS BUILDING MATERIALS, PAPER OR CARDBOARD, A SAFE DISTANCE AWAY FROM THE HEATER AS RECOMMENDED BY THE INSTRUCTIONS.**

NEVER USE THE HEATER IN SPACES WHICH DO OR MAY CONTAIN VOLATILE OR AIRBORNE COMBUSTIBLES, OR PRODUCTS SUCH AS GASOLINE, SOLVENTS, PAIN THINNERS, DUST PARTICLES OR UNKNOWN CHEMICALS.

☞ **WARNING: NOT FOR HOME OR RECREATIONAL VEHICLE USE.**

Dura Heat Propane Forced Air Construction Heaters

The heater is designed and approved for use as a construction heater under ANSI Z83.7., CSA2.14

It is hard to anticipate every use which may be made of this heater. **CHECK WITH YOUR LOCAL FIRE SAFETY AUTHORITY IF YOU HAVE QUESTIONS ABOUT APPLICATIONS.**

Other standards govern the use of fuel gases and heat producing products in specific applications. Your local authority can advise you about these.

IMPORTANT: **Read this user's manual carefully and completely before trying to operate or service this heater. Improper use of this heater can cause serious injury or death from fire, explosion and carbon monoxide poisoning.**

This is a direct-fired forced-air construction heater for either indoor construction or outdoor use. Its intended use is primarily the temporary heating of buildings or structures under construction, alteration or repair. All the products of combustion generated by the heater are forced through the heater and released into the area being heated. This heater operates at approximately 98%+ combustion efficiency but still produces a small amount of carbon monoxide. Humans can tolerate small amounts of carbon monoxide for short periods. Carbon monoxide can build up in a heated space and failure to provide adequate ventilation could result in poisoning or death.

☞**WARNING: Not for use with ductwork.**

SPECIFICATIONS:

Model No.		GFA40	GFA50A	GFA100A	GFA150A
Input Rating		40,000 BTU/hr -	30,000 BTU/hr 50,000 BTU/hr	70,000 BTU/hr 100,000 BTU/hr	120,000 BTU/hr 150,000 BTU/hr
Type of Gas		Propane	Propane	Propane	Propane
Gas Supply Pressures to Regulator Maximum		Cylinder Pressure	Cylinder Pressure	Cylinder Pressure	Cylinder Pressure
Minimum (for purpose of Input Adjustment)		5psig	5psig	5psig	5psig
Manifold Pressure		11” W.C	11” W.C	11” W.C	11” W.C
Gas Consumption		1.9lbs/hr	1.4lbs/hr 2.3lbs/hr	3.3lbs/hr 4.6lbs/hr	5.6lbs/hr 7.0lbs/hr
Electrical Input		120V, 60Hz, 1 Ø	120V, 60Hz, 1 Ø	120V, 60Hz, 1 Ø	120V, 60Hz, 1 Ø
Amperage	Load	0.68amps	0.65amps	0.7amps	0.7amps
Fan	Unload Load	3550rpm 3000rpm	3570rpm 3300rpm	3580rpm 3300rpm	3580rpm 3300rpm
Ignition		Piezo/Manual Spark	Continuous Spark	Continuous Spark	Continuous Spark
Spark Gap		0.16”	0.16”	0.16”	0.11”
Size (L x W x H)		18.1” x 8.1” x 15.3”	18.1” x 8.1” x 15.3”	25” x 12.8” x 16” 25” x 9” x 16.9” 25” x 11.6” x 17.3”	25” x 9” x 16.9”
Weight		13.7lbs/14lbs (6.2kg/6.35kg)	14.3lbs (6.48kg)	21.5lbs/21lbs/20.8lbs (9.75kg/9.5kg/9.4kg)	21.2lbs (9.6kg)

GENERAL SAFETY INSTRUCTIONS:

Accidents are always tragic especially because so many of them could have been prevented with little care and judgment. There are some basic good practices, we hope you will follow for safe use of your heater.

IMPORTANT SAFETY INFORMATION:

- Children should be carefully supervised, when they are in the area.
- Always maintain proper clearance from combustible materials. Minimum clearance from combustibles. Side - 24"; Top - 36"; Front - 72". Floor -noncombustible.
- Heater must be placed on level and stable surface.
- Never place anything including clothes or other flammable items on the heater.
- The appliance area shall be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.
- Do not modify or operate a heater which has been modified.
- Adequate clearance for accessibility and for combustion & ventilation air supply must be maintained at all times when the heater is operating.
- Service and repair should be done by a qualified service person. The heater should be inspected before each use and at least annually by a qualified person. More frequent cleaning may be required as necessary. Do not service while hot or operating.
- Never connect heater to an unregulated gas supply.
- The heater is shipped from the factory for LP(Propane) gas. This heater is for use with propane gas only, do not convert heater to any other gas. Installation must conform to local codes or, in the absence, with the standard for the Storage and Handling of Liquefied Petroleum Gases ANSI/NFPA NFPA 58 and the Natural Gas and Propane Installation Code CSA B149.1
- The minimum and maximum inlet pressures to the regulator from the gas tank are 5 psi and bottle pressure, respectively. Use only the regulator & hose assembly provided with the heater. Inspect the regulator/hose assembly prior to each use of the heater. If there is excessive abrasion or wear, or hose is cut, replace with regulator/hose assembly listed on the parts list prior to using this heater.
- Gas supply connections should be checked using a 50/50 solution of liquid dish soap and never use a flame to check for gas leaks.
- The electrical connection & grounding must comply with National Electrical Code. ANSI/NFPA 70 or in Canada CSA C22.1, Canadian Electrical Code, Part 1. Use only a properly grounded three (3) prong receptacle.
- Do not restrict inlet or outlet by any means. The flow of combustion and ventilation air is not to be obstructed.
- Forced air heaters should not be directed toward any propane or gas container within 20 feet of the exit nozzle. The heater should also be located at least 6 feet away from any propane gas container (regulations in Canada are 10 feet).
- The propane cylinder supply system must be arranged to provide for vapour withdrawal from the operating cylinder.

WARNING: Motor and fan must be running before lighting, during operation and at shutdown, in order to prevent a flame-out condition which could result in personal injury or property damage.

PRODUCT FEATURES:

- Portable, Stable & Fully Assembled
- 100% Safety Shutoff System
- Wind Resistant & Rain Protected
- Adjustable Input Ratings
- Continuous Spark Ignition or Piezo Electric Spark Ignition

UNPACKING:

1. Remove heater from carton.
2. Remove all protective packing applied to heater for shipment.
3. Retain cartons and packaging material until unit is operated and found in good condition.
4. Check heater for any shipping damage. If heater shows any external or internal damage, promptly inform dealer/distributor where you purchased heater.

INFORMATION ON SIZE * CAPACITY OR PROPANE GAS CYLINDERS:

The chart below shows the number and size of propane tanks needed to run this heater.
*Less gas is vaporized at lower temperatures.
You may need two or more 100 pound tanks or one larger tank in colder weather.
(See the parts list for your model of heater to get the specified regulator assembly.)

The propane (LP) gas tank must also be equipped with the following:

Temperature (°F) At tank	Number of Tanks		
	40,000-50,000 BTU/h	100,000 BTU/h	150,000 BTU/h
Above 32°F	1 - 20lb	2 - 100lb	2 - 100lb
32°F	1 - 20lb	2 - 100lb	2 - 100lb
20°F	1 - 20lb	3 - 100lb	3 - 100lb
10°F	1 - 20lb	3 - 100lb	3 - 100lb
-10°F	2 - 20lb	Use Larger Tank	Use Larger Tank
-20°F	1 - 100lb	Use Larger Tank	Use Larger Tank

- A collar to protect the Propane gas valve.
- A shutoff valve terminating a Propane gas cylinder valve outlet as specified in the American National Standards for Compressed Gas Cylinder Valve Outlets and Inlet Connections.
- A safety relief valve having direct communications with the vapor space of the tank.
- An arrangement of vapor withdrawal.

The propane (LP) gas pressure regulator and hose assembly supplied with this heater must be used without alteration.

The hose assembly shall be visually inspected prior to each use of the heater. If it is evident that there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the heater being put into operation. The replacement hose assembly shall be that specified by the manufacturer.

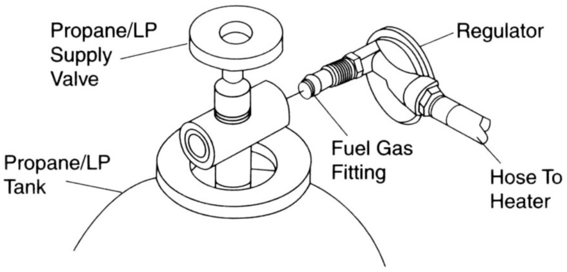


Figure 1

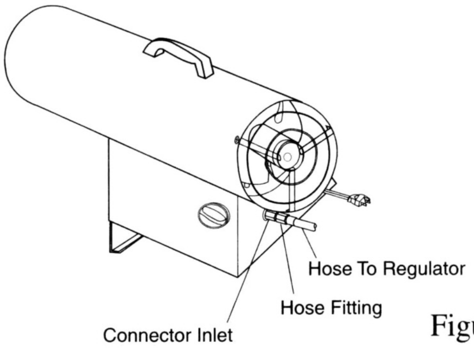


Figure 2

INSTALLATION TO THE PROPANE GAS TANK:

IMPORTANT: You must use a propane/LP gas supply cylinder that is compatible with the connection device provided with the hose and regulator.

1. Provide propane/LP supply system (see Propane/LP Supply, page 4).
2. Connect fuel gas fitting hose/regulator assembly to propane LP tank(s). Turn fuel fitting counterclockwise into threads on tank. Tighten firmly using a wrench. IMPORTANT: Position regulator so that hose leaving the regulator is in a horizontal position (see Figure 1)
3. Connect hose to heater inlet. Tighten firmly using a wrench. You must use the regulator supplied with heater.
4. Open propane/LP supply valve on propane/LP tank(s) slowly. NOTE: If not opened slowly, excess flow device in regulator may stop gas flow. If this happens, close propane/LP supply valve, wait one minute (or until you hear a click) and open again slowly.
5. Check all connections for leaks. Apply a 50/50 solution of liquid dish soap and water to gas joints. Bubbles forming show a leak that must be corrected.
6. Close propane / LP supply valve before attempting to repair connection.

WARNING: Purging and filling of LP gas tanks must be performed by personnel who has been thoroughly trained in accepted LP gas industry procedures. Failure to follow these instructions may result in explosion, fire, severe personal injury, or death.

REFILLING THE PROPANE GAS TANK:

ALL NEW CYLINDERS MUST BE PURGED BEFORE THE FIRST FILLING.

- Turn heater gas valve knob and gas tank valve to OFF position.
- Propane tank valve equipped with the old style fitting has LEFT HANDED THREADS. Turn POL fitting CLOCKWISE to loosen. Protect POL fitting when disconnected from tank.
- Have tank filled by your local Propane gas supplier.
- Some propane tanks have a bleed-off valve. This valve should be inspected for leaks after each filling of the tank. Turn clockwise to close the valve.
- Fasten full Propane tank and connect POL fitting to tank valve by turning COUNTERCLOCKWISE.
- With heater gas valve knob still in the OFF position, turn ON tank valve and check for leaks with soap solution.

Propane is safe to use when properly handled. Careless handling of the Propane gas tank could result in fire and/or an explosion. Therefore:

- Always keep tank/cylinder securely fastened in an upright position.
- Avoid tipping tank on its side when connected to a regulator since this may cause damage to diaphragm in regulator.
- Handle valves with care.
- Never connect an unregulated Propane tank to construction heater.
- Do not subject Propane tank to excessive heat.
- Tightly close the gas shutoff valve on the Propane tank after each use.
- The POL fitting must be protected when disconnected from the propane tank.
- Never store a Propane gas tank inside a building or in the vicinity of any gas burning appliance.

THE DISCONNECTED TANK MUST NEVER BE STORED IN A BUILDING, GARAGE OR ANY OTHER ENCLOSED AREA.

LEAK CHECKING:

Check all gas connections with a soap solution to be sure they are tight and leak proof.

- The installation of your heater must meet all local codes and/or gas utility requirements or, in the absence of local codes, with the Storage and Handling of Liquefied Petroleum Gases, ANSI/NFPA 58 and the Natural and Propane Installation Code, CSA B149.1.
- The minimum clearances to combustible construction: Side - 24”; Top - 36”; Front - 72” must be maintained at all times.
- The hose assembly should be visually inspected prior to each use of the heater. If it is evident that there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the heater being put into operation.
- The replacement hose assembly shall be that specified by the manufacturer (See page 11 for part numbers).

LIGHTING INSTRUCTIONS:

WARNING: Motor and fan must be running before lighting, during operation and shutdown, in order to prevent a flame-out condition which could result in personal injury or property damage.

1. Connect power cord to a properly grounded three (3) prong 120V, 60Hz, single phase receptacle.
2. Turn gas valve knob clockwise to OFF position.
3. Wait five (5) minutes to clear any gas. Then smell for gas, if you don't smell gas, go to next step.
4. Turn gas supply ON by turning Propane tank valve counterclockwise.
5. Push in and turn gas control knob counterclockwise to “LOW/IGN”. This will light the burner. If needed, keep pressing control knob until the burner lights and keep depressing and turning from OFF to LOW/IGN on Piezo electric spark models. (“HIGH/IGN”: In case of GFA40)
6. Keep the valve knob depressed for at least 30 seconds after lighting the burner. After 30 seconds release valve knob.
7. If burner does not stay lit, repeat the lighting procedure.
8. When burner is lit, turn gas valve knob counterclockwise to desired setting. (All models, except GFA40 has only one heat setting)

SHUTDOWN INSTRUCTIONS:

Shutoff Heater:
WARNING: Motor and fan must be running before lighting, during operation and at shutdown, in order to prevent a flame-out condition which could result in personal injury or property damage.
Turn gas valve knob clockwise to OFF position.
Turn gas supply OFF by turning Propane tank valve clockwise to close.
Disconnect the power cord once the heater has cooled to ambient temperature.

TEST FIRING HEATER:

Test fire your construction heater, following the lighting instructions applicable to the gas control system employed. Leak test all gas connections with soap solution. Soap bubbles indicate gas leakage. DO NOT use a match or flame to test for gas leaks.

STORAGE: Never store a Propane gas tank inside a building or in the vicinity of any gas or oil burning appliance. When the Propane tank is not disconnected from the construction heater, the gas tank and heater must be stored outdoors in a well ventilated area, out of the reach of children. If for any reason the heater is to be stored indoors, the tank must be disconnected and stored outdoors in a well ventilated area out of reach of children, in accordance with the standard for the the Storage and Handling of Liquefied Petroleum Gases, ANSI / NFPA 58 and CSA B149.1, Natural Gas and Propane Installation Code. The plastic tank valve plug supplied with your tank must be tightly installed when the tank is disconnected from the heater.

MAINTENANCE INSTRUCTIONS:

1. Turn unit off, allow heater to fully cool and disconnect propane hose before performing any Maintenance functions. Unplug the unit from the 120V receptacle.
2. Keep unit clean and keep the inside of the torpedo housing debris free.
3. Have unit checked by a qualified technician at least once a year, preferably prior to the heating season.

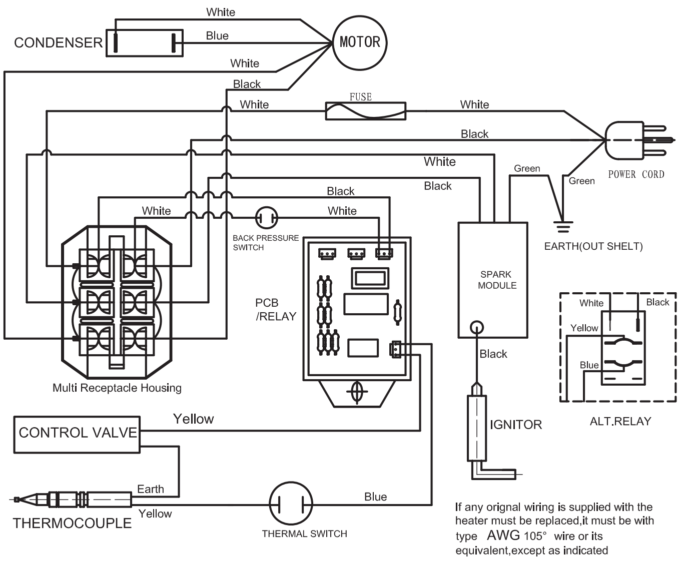
TROUBLESHOOTING:

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Fan does not turn when electrical connection is made.	1. No electric power to heater. 2. Fan blade contacts inside of heater housing. 3. Fan blade(s) bent 4. Fan motor defective.	1. Check current to electric outlet. If voltage is correct, check power cord and extension cord for cuts and extension cord for cuts and breaks. 2. Be sure that housing is not damaged. Make sure there are no obstructions to the fan. 3. Straighten blade(s) to match others. 4. Replace motor.
Heater will not fire.	1. No spark at ignitor. 2. Improper spark gap. 3. Bad electrode.	1. Check ignitor wire. Re-attach or tighten if loose. Check Spark module. Replace if necessary. 2. Set gap to 0.16” 3. Replace Spark Plug.
Heater quits while running.	1. Internal temperature too high causing limit switch to shut down operation. 2. Damaged Control Valve. 3. Dust or debris build-up inside of heater.	1. If the heaters output is restricted, internal temperature becomes too high. Move heater away from any obstructions. 2. Replace Control Valve. 3.Clean inside of heater.

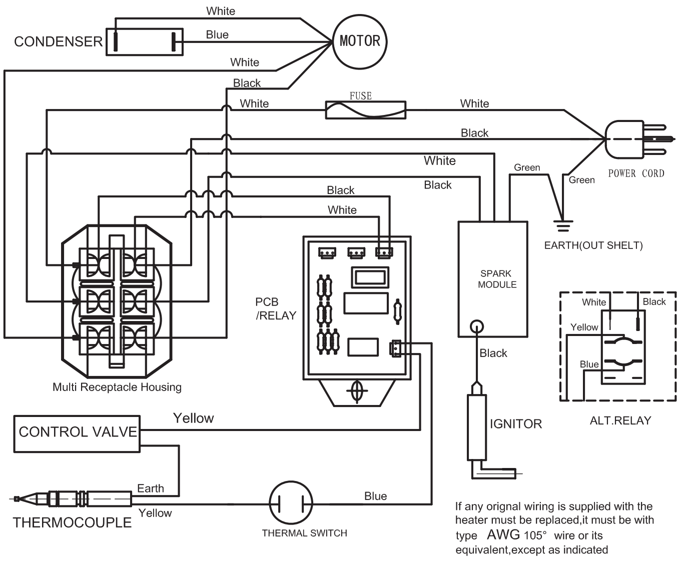
Always be sure to follow proper maintenance procedures, by cleaning the heater once per month during regular usage, and check spark gap at least once per season.

WIRING DIAGRAMS:

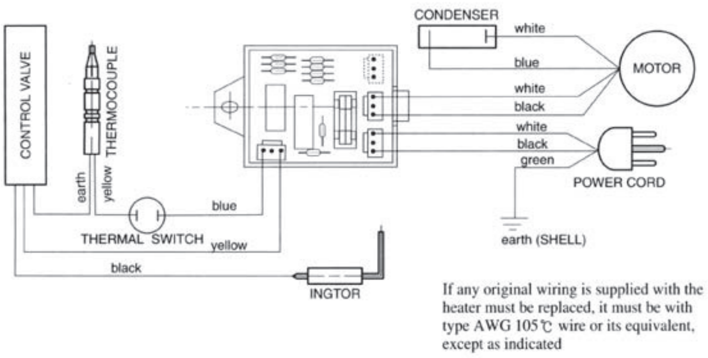
CONTINOUS SPARK MODELS GFA100A/150A



CONTINOUS SPARK MODELS GFA50A



PIEZO/MANUAL SPARK MODELS GFA40

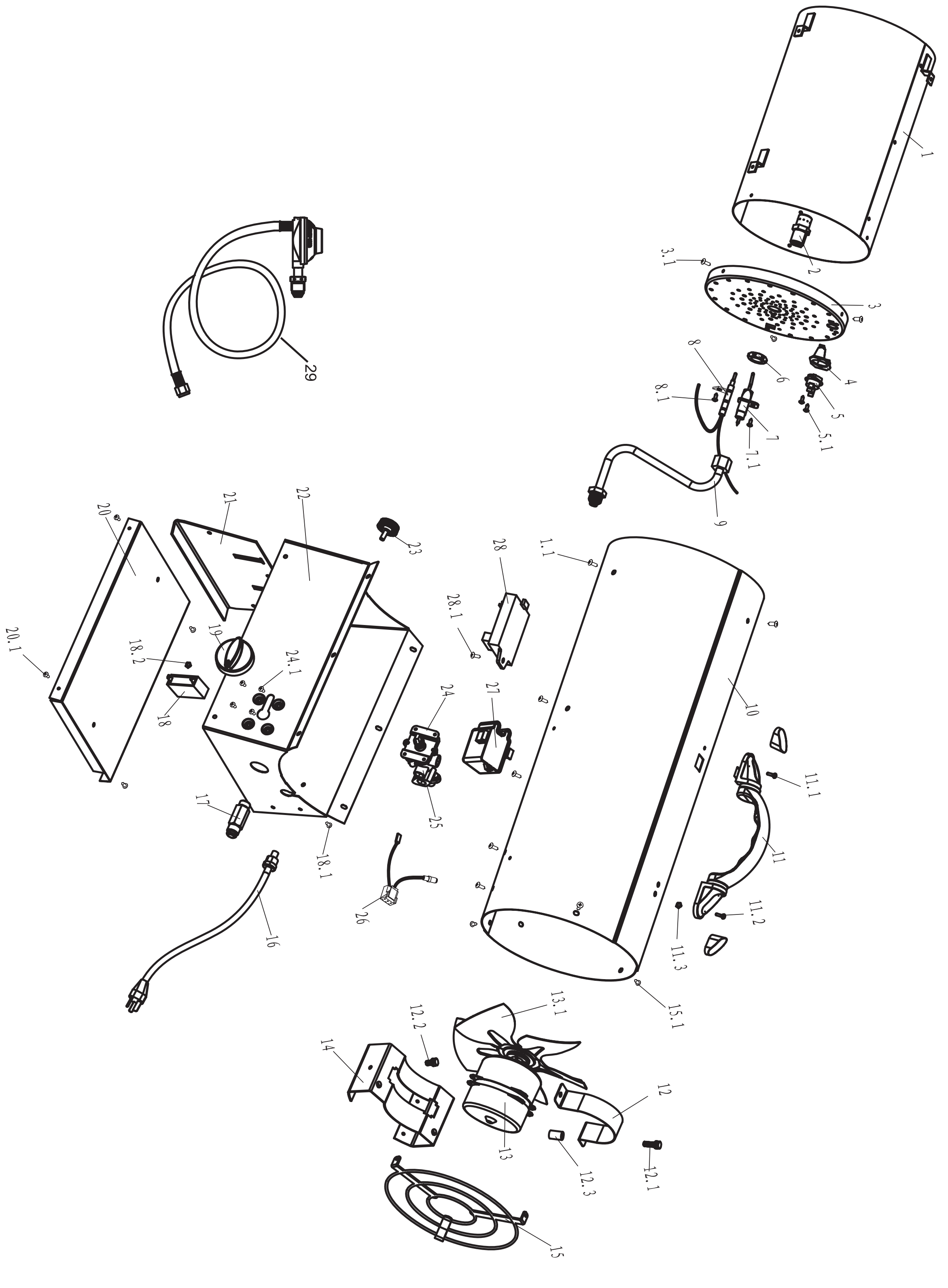


ILLUSTRATED PARTS BREAKDOWN

ITEM NO.	DESCRIPTION	QTY.	PART NUMBER	
			GFA40	GFA50A
1	SHELL IN ASSY	1	2304818	2304818
1.1	SCREW	5	2001086/2001355	2001355
2	NOZZLE	1	2304829	2304942
3	FRAME HOLDER	1	2304819	2304819
3.1	SCREW	3	2001086/2001355	2001355
4	THERMAL SWITCH BRACKET	1	2304826	2304826
5	THERMAL SWITCH	1	2201373	2201563
5.1	SCREW	2	2001154	2001154
6	NOZZLE NUT	1	2304578	2304578
7	SPARK PLUG ASSY	1	2201375	2201375
7.1	SCREW	1	2001086/2001355	2001355
8	THERMOCOUPLE ASSY (1130/1474-425L)	1	2304885	2304885
8.1	SCREW	1	2001086/2001355	2001355
9	TUBING ASSY	1	2304830	2304830
10	OUT SHELL	1	2304814/2305403	2304921/2315312
11	HANDLE ASSY	1	2101447/2305462	2101447
11.1	SCREW	1	2001086/2001355	2001355
11.2	SCREW	1	2001077	2001077
11.3	NUT	1	2000384	2000384
12	MOTOR SUPPORT	1	2304823	2304823
12.1	BOLT	1	2001332	2001332
12.2	BOLT	1	2001333	2001333
12.3	SLEEVE	1	2304949	2304949
13	MOTOR ASSY	1	2305909	2304547
13.1	MOTOR FAN	1	2304821	2304821
14	MOTOR BRACKET	1	2304824	2304937
15	GUARD FAN	1	2304828/2305411	2304828
16	POWER CORD ASSY	1	2201368	2101670
17	CONNECTOR INLET	1	2304831	2304831
18	CAPACITY	1	2201372	2201372
18.1	SCREW	1	2001200	2001200
18.2	NUT	1	2001145	2001145
19	KNOB	1	2101451/2305466	2101451
20	BASE LOWER	1	2304816/2305407	2304925
20.1	SCREW	4	2001086/2001355	2001355
21	HEIGHT CONTROLLER	1	2304817/2305409	2304927
22	BASE ASSY	1	230481/2305405	2304923
22.1	SCREW	6	2001086/2001355	2001355
23	HEIGHT CONTROL SCREW	1	2001327/2305467	2001327/2304510
24	VALVE BRACKET	1	2304624	2304624
24.1	SCREW	4	2001142	2001356
25	VALVE	1	2304820(CK-890SL-AI(A))	2304932(K-890D-A6)
26	LEAD WIRE ASSY	1	2201371	2201371
27	SPARK MODULE	1	N/A	2201391
28	PCB ASSY	1	2201369	2201369
28.1	SCREW	1	2001086/2001355	2001355
29	REGULATOR & HOSE ASSEMBLY	1	5002199/5002540(TYQ-9C-LL516-00)	5002614(TYQ-C-LL516-00)

PROPANE CONSTRUCTION HEATER ILLUSTRATED

GFA40 / GFA50A



ILLUSTRATED PARTS BREAKDOWN

ITEM NO.	DESCRIPTION	QTY.	PART NUMBER	
			GFA100A	GFA150A
1	SHELL IN ASSY	1	2304929	2304929
1.1	SCREW	5	2001355	2001355
2	NOZZLE	1	2304829	2304944
3	FRAME HOLDER	1	2304930	2304931
3.1	SCREW	3	2001355	2001355
4	THERMAL SWITCH BRACKET	1	2304826	2304826
5	THERMAL SWITCH	1	2201373	2201563
5.1	SCREW	2	2001154	2001154
6	NOZZLE NUT	1	2304578	2304945
7	SPARK PLUG ASSY	1	2201392	2201393
7.1	SCREW	1	2001355	2001355
8	THERMOCOUPLE ASSY (1130/1474-425L)	1	2304885	2304885
8.1	SCREW	1	2001355	2001355
9	TUBING ASSY	1	2304946	2304947
10	OUT SHELL	1	2304922	2304922
11	HANDLE ASSY	1	2101447	2101447
11.1	SCREW	1	2001355	2001355
11.2	SCREW	1	2001077	2001077
11.3	NUT	1	2000384	2000384
12	MOTOR SUPPORT	1	2304823	2304823
12.1	BOLT	2	2001332	2001332
13	MOTOR ASSY	1	2304548	2304548
13.1	MOTOR FAN	1	2304936	2304936
14	MOTOR BRACKET	1	2304938	2304938
15	GUARD FAN	1	2304939	2304939
16	BACK PRESSURE SWITCH	1	2305976	2305976
16.1	SCREW	2	2000596	2000596
16.2	NUT	2	2001145	2001145
17	POWER CORD ASSY	1	2101673	2101673
18	CONNECTOR INLET	1	2304831	2304831
19	CAPACITY	1	2201390	2201390
19.1	SCREW	1	2000496	2000496
19.2	NUT	1	2001145	2001145
20	KNOB	1	2101451	2101451
21	BASE LOWER	1	2304926	2304926
21.1	SCREW	4	2001355	2001355
22	HEIGHT CONTROLLER	1	2304928	2304928
23	BASE ASSY	1	2304924	2304924
23.1	SCREW	6	2001355	2001355
24	HEIGHT CONTROL SCREW	1	2304928	2304928
25	VALVE BRACKET	1	2304924	2304924
25.1	SCREW	4	2001142	2001356
26	VALVE	1	2304933(K-890SL-A6(A))	2304934 (K-890D-A6 (B))
27	LEAD WIRE ASSY	1	2201371	2201371
28	SPARK MODULE	1	2201391	2201391
29	PCB ASSY	1	2201369	2201369
29.1	SCREW	1	2001355	2001355
30	CORD WRAP	2	N/A	2101423
30.1	SCREW	4	2101423	2101423
32	REGULATOR & HOSE ASSY	1	5002758&5002721 (TYQ-6E1-LL38-00	500275&5002721 (TYQ-6E1-LL38-00)

PROPANE CONSTRUCTION HEATER ILLUSTRATED
GFA100A / GFA150A

